NNN NNN	111111111	***************************************	NNN NNN	FFFFFFFFFFFF
NNN NNN	111111111	2222222222	NNN NNN	FFFFFFFFFFFF
NNN NNN	111111111	55555555555	NNN NNN	FFFFFFFFFFFF
NNN NNN	III	CCC	NNN NNN	FFF
NNN NNN	iii	ččč	NNN NNN	FFF
NNN NNN	III	ČČČ	NNN NNN	FFF
NNNNNN NNN	III	CCC	NNNNH NNN	FFF
NNNNN NNN	111	CCC	NNNNN NNN	FFF
NNNNNN NNN	III	CCC	NNNNN NNN	FFF
NNN NNN NNN	111	CCC	NNN NNN NNN	FFFFFFFFFF
NNN NNN NNN	III	CCC	NNN NNN NNN	FFFFFFFFFF
NNN NNN NNN	III	CCC	NNN NNN NNN	FFFFFFFFFF
NNN NNNNNN	III	CCC	NNN NNNNNN	FFF
NNN NNNNNN	III	CCC	NNN NNNNN	FFF
NNN NNNNN	III	CCC	NNN NNNNN	FFF
NNN NNN	İİİ	CCC	NNN NNN	FFF
NNN NNN	iii	222	NNN NNN	FFF
NNN NNN	1111111111	CCCCCCCCCCC	NNN NNN	FFF FFF
NNN NNN	*******	22222222222	NNN NNN	FFF
NNN NNN	*******	2222222222	NNN NNN	FFF

**

\$\$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$\$

10000000 10000000 10000000 10000000 1000000	NN NN NN NN NN NN NN NN NN NN NN NN NN	# # # # # # # # # # # # # # # # # # #
		\$
		\$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$ \$\$

FILEID**CNFSHOW

VAX-11 Bliss-32 V4.0-742 [NICNF.SRC]CNFSHOW.B32:1

Page

(1)

V

This module contains the routines to return information on a SHOW request generated by an NCP> SHOW MODULE CONFIGUTOR command.

CREATION DATE: 13-Oct-1982

MODIFIED BY:

```
H 2
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
V04-000
                     DECnet Ethernet Configurator Module Definitions
                                                                                                                        VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32:1
                                                                                                                                                                         Page
     49
50
51
                                "SBITL 'Definitions'
    ! INCLUDE FILES:
                                LIBRARY 'SYS$LIBRARY: STARLET': ! VMS common definitions
                                LIBRARY 'SHRLIBS: NMALIBRY';
                                                                            ! NICE code definitions
                                REQUIRE 'LIBS: CNFDEF.R32';
                                REQUIRE 'SRC$: CNFPREFIX.REQ';
                     BUILTIN functions
                                BUILTIN
                                      SUBM:
                                                                            ! To support quadword subtraction
                                LITERAL
                                      NICE_BUFLEN = 128;
                                   TABLE OF CONTENTS:
                                FORWARD ROUTINE
                                           PROCESS SHOW,
SHOW_CIRCUIT,
SHOW_SYSTEM;
                                                                              Cover routine for common error handling of SHOW processing format circuit info format info for a system ID message.
                                   EXTERNAL REFERENCES:
                                EXTERNAL ROUTINE
                                      ! Module CNFMAIN
                                           CNFSTRACE,
CNFSTREE VM,
CNFSGET_ZVM,
                                                                              Clean up and exit
Log messages to log file
Free virtual memory
                                                                               Get zeroed virtual memory
                                      ! Module CNFREQUES
                                                                            ! Locate circuit block from circuit name
                                           CNF$LOCATE_CIR_BLK.
                                      ! Module CNFSEND
                                           CNF$BUFR_NICE_MSG.
CNF$BUFR_ERR_MSG;
                                                                              Buffer NICE response messages
Buffer NICE error responses
```

CI

Page 3

CI

```
CNF SHOW
V04-000
                      DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 CNF$PROCESS_SHOW Search the data base and for 14-Sep-1984 12:49:54
                                                                                                                                                                          Page
                                 **SBTTL 'CNF$PROCESS_SHOW Search the data base and format a response message' GLOBAL ROUTINE CNF$PROCESS_SHOW (IRB, KNOWN, CIRCUITNAM_DSC, INFTYP) =
   FUNCTIONAL DESCRIPTION:
                                     Shell routine to supply a common entrance and error exit to the routine which builds the SHOW message.
                                   FORMAL PARAMETERS:
                                            irb
                                                                  Interrupt request block, contains context for returning
                                                                  responses to connectee.
                                            known
                                                                  Was SHOW KNOWN CIRCUITS requested?
                                            circuitnam_dsc
                                                                 Descriptor of circuit name if SHOW was requested for a specific circuit.
                                                                 Code determining which information type was requested for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                            inftyp
                                   IMPLICIT INPUTS:
                                            NONE
                                   IMPLICIT OUTPUTS:
                                            NONE
                                   ROUTINE VALUE:
COMPLETION CODES:
                                     Always success, errors are buffered for return to connectee.
                                   SIDE EFFECTS:
                                           NONE
                                      BEGIN
                                      LOCAL
                                            STATUS:
                     0356
0357
0358
0359
0360
0363
0364
0366
0366
0367
0371
                                      CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
$DESCRIPTOR ('CNF$PROCESS_SHOW'));
                                            Send MORE message
                                      EXECUTE (CNF$BUFR_NICE_MSG (.IRB, NICE_MORE_DSC, 0));
                                           Request that the SHOW information be gathered, formatted and buffered.
                                      STATUS = PROCESS_SHOW (.IRB, .KNOWN, .CIRCUITNAM_DSC, .INFTYP);
IF NOT .STATUS
                                      THEN
                                            CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_MPR, 0, .STATUS);
```

CI

V

(3)

```
DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 CNF$PROCESS_SHOW Search the data base and for 14-Sep-1984 12:49:54
CNF SHOW
V04-000
                                                                                                                         VAX-11 Bliss-32 V4.0-742
ENICHF.SRCJCNFSHOW.B32:1
                                                                                                                                                                           Page
    188
189
190
191
192
193
194
                                            Send DONE message
                                      EXECUTE (CNF$BUFR_NICE_MSG (.IRB, NICE_DONE_DSC, 0));
                                      END:
                                                                             ! Routine CNF$PROCESS_SHOW
                                                                                                                CNFSHOW DECnet Ethernet Configurator Module
                                                                                                      .TITLE
                                                                                                                $PLIT$, NOWRT, NOEXE, 2
                                                                                                      .PSECT
                                                                                                                 -128
3
                                                                                  00000 P.AAA:
                                                                                                      .BYTE
                                                                          FFFF
                                                                                                      .BYTE
                                                                                                      . WORD
                                                           43 41 52
                                                                                          P.AAD:
                                                                                                                 \TRACE\
                                                                                                      .BLKB
                                                                    00000005
000000000
4E 43
                                                                                          P.AAC:
                                                                                                      .LONG
                                                                                                      .ADDRESS P.AAD
                                                                                          P.AAF:
                                                 52
                                                      50
                                                                                                      .ASCII \CNF$PROCESS_SHOW\
                                                                     00000010
                                                                                                      .LONG 16
.ADDRESS P.AAF
                                                                     00000000
                                                                                                      .PSECT SOWNS, NOEXE, 2
                                                                                  00000 NICE_DONE_DSC:
.CONG 1
.ADDRESS P.AAA
                                                                     00000001
                                                                                 00004 NICE_MORE_DSC:
                                                                     00000000
                                                                     00000000, 00000
                                                                                                      ADDRESS P.AAB
                                                                                                                CNF$EXIT, CNF$TRACE
CNF$FREE_VM, CNF$GET_ZVM
CNF$LOCATE_CIR_BLK
CNF$BUFR_NICE_MSG
CNF$BUFR_ERR_MSG
CNF$GQ_CIRSURLST
                                                                                                      .EXTRN
                                                                                                      .EXTRN
                                                                                                      .EXTRN
                                                                                                      .EXTRN
                                                                                                      .EXTRN
                                                                                                      .PSECT
                                                                                                                $CODE$, NOWRT, 2
                                                                                                                                                                                0316
0357
0356
                                                                                                                 CNF$PROCESS_SHOW, Save nothing
                                                               0000.
                                                                                                                P.AAE
P.AAC
                                                                                                      PUSHAB
                                                                                                      PUSHAB
                                                                              DD
FB
D4
9F
                                                                                                      PUSHL
                                            0000G CF
                                                                                                                      CNF$TRACE
                                                                                                                                                                                0362
                                                               0000'
                                                                                                      PUSHAB
                                                                                                                NICE_MORE_DSC
                                                                                                      PUSHL
                                                                                                                      CNF$BUFR_NICE_MSG
                                                     CF
33
7E
                                            0000G
                                                                                                      CALLS
                                                                                                                 CIRCUITNAM_DSC. -(SP)
                                                                                                                                                                                0367
                                                                  00
                                                                                                      MOVQ
```

CN

CNF SHOW VO4-000	DECnet Ethernet Confid CNF\$PROCESS_SHOW Sea	gurator arch the	Module e data b	ase	and f	or 14-	2 Sep-1984 02:05 Sep-1984 12:49	:37 VAX-	11 Bliss-32 V4.0-742 NF.SRCJCNFSHOW.B32;1	Page (3
	0000v	7E CF OF	04	AC 04 50 50	7D 0 FB 0 E8 0 DD 0	0026 002A 002F 0032	MOVQ CALLS BLBS PUSHL	IRB, -(SP) #4, PROCES STATUS, 18 STATUS	S_SHOW	0366
	0000G	7E CF	04	7E 05 AC 04	CE OOFB	0034 0036 0039 003C	MNEGL PUSHL CALLS	-(SP) #5, -(SP) IRB #4, CNF\$BU	JFR_ERR_MSG	
	0000G	CF 03	0000	CF AC	9F 0	0041 11 0043 0047 0048 0046	PUSHAB PUSHL CALLS BLBC MOYL	-(SP) NICE_DONE_ IRB #3. CNF\$BU	DSC FR_NICE_MSG	037
		50		50 01	04 0	0052 0055 21	MOVL S: RET	#1, RC		037

; Routine Size: 86 bytes, Routine Base: \$CODE\$ + 0000

```
DECnet Ethernet Configurator Module

DECnet Ethernet Configurator Module

process_show Search the data base and format 14-Sep-1984 02:05:37
CNF SHOW
V04-000
                                                                                                                      VAX-11 Bliss-32 V4.0-742
ENICNF.SRCJCNFSHOW.B32:1
                                                                                                                                                                       Page
                                %SBTTL 'process_show Search the data base and format a response message' ROUTINE PROCESS_SHOW (IRB, KNOWN, CIRCUITNAM_DSC, INFTYP) =
   Locate requested circuit or dispatch for all known circuits to the routine which will format and buffer the SHOW response.
                                           irb
                                                                 Interrupt request block, contains context for returning
                                                                responses to connectee.
                                           known
                                                                Was SHOW KNOWN CIRCUITS requested?
                                                                Descriptor of circuit name if SHOW was requested for a specific circuit.
                                           circuitnam_dsc
                                                                Code determining which information type was requested for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                           inftyp
                                    Always return success, any errors will be buffered for return to
                                    connectee.
                     0399
                     0400
0401
0402
0403
0404
0406
0406
0407
                                     BEGIN
                                     MAP
                                           CIRCUITNAM_DSC : REF BBLOCK:
                                     LOCAL
                                           CIR : REF BBLOCK:
                                     IF .KNOWN THEN
                                                format the data for all circuits
                                           BEGIN
                                          CIR = .CNF$GQ_CIRSURLST:
WHILE .CIR NEW CNF$GQ_CIRSURLST DO
BEGIN
                                                                                                 ! List of circuits under surveillance ! For the entire list of circuits
                                                Get next circuit in list
While traversing list of circuits
                                                END:
                                           END
                                     ELSE
                                           BEGIN
                                                Locate the requested circuit and format the data for it.
                                           IF CNF$LOCATE_CIR_BLK (.CIRCUITNAM_DSC, CIR)
                                                EXECUTE (SHOW_CIRCUIT (.IRB, .CIR, .INFTYP))
                                           ELSE
                                                BEGIN ! Oops, that circuit is not in the data base CNF$BUFR_ERR_MSG (.IRB, NMA$C_STS_IDE, NMA$C_ENT_CIR, O, .CIRCUITNAM_DSC);
```

CN

253 254 255 256 257 258 259		DEC 043 043 044 044 044		Ethe sho		END; URN TRI	TURN ND;			and		mat 1	N 2 6-Sep-19 4-Sep-19	84 02:05 84 12:49	:37 VAX-11 Bliss-32 V4.0-742 :54 ENICHF.SRCJCNFSHOW.B32;1	Page (
														•		
														.PSECT	\$PLIT\$, NOWRT, NOEXE, 2	
	77	6F	68	73	5F	73 7	45	63	6F	52 000000 72 000000	70	00030 00035 00038 00030 00040 00040	P.AAH: P.AAG: P.AAJ: P.AAI:	.ASCII .BLKB .LONG .ADDRESS .ASCII .LONG .ADDRESS	\process_show\	
														.PSECT	\$CODE\$,NOWRT,2	
										(0000	00000	PROCESS	_SHOW:	Save nothing	; 03
							5E	0	0000	O4 CF	C2	00002 00005 00009		- WORD SUBL2 PUSHAB PUSHAB PUSHL CALLS	Save nothing #4, SP P.AAI	04
						00006	cc	0	0000	CF CF 01 03 AC	9F DD	0000D		PUSHAB	#1	04
						0000G	24	0	08 0006 0006	AC	E9	0000F 00014 00018		RFRC	#3, CNF\$TRACE KNOWN, 2\$ CNF\$GQ_CIRSURLST, CIR	04
							6E 50 50	0	000G	CF CF 6E 45	9E	0001D	1\$:	MOVAB	CNF\$GQ_CIRSURLST, RO	04
									10 04 04	AC AE	00	00027 00027		PUSHL	INFTYP	04
						0000v	CF 37		04	AAA059E5A020CEC30	13 DD DD DD FB E9 DD	0002b 00030		PUSHL	CNF\$GQ_CIRSURLST, CIR CNF\$GQ_CIRSURLST, RO CIR, RO 4\$ INFTYP CIR IRB #3, SHOW_CIRCUIT STATUS, 5\$ aCIR 1\$	
							37			50 9E	DD DD	00035		PUSHL	STATUS, 5%	04 04 04
									ОС	SE AC		0003C 0003E	2\$:	PUSHL	69	64
						0000G	CF 12			02 50	FB E9	00041		BLBC	#2, CNF\$LOCATE_CIR_BLK RO, 3\$	
									10 04 04	AE	DD	0004C		PUSHL	CIRCUITNAM DSC #2, CNF\$LOCATE_CIR_BLK RO, 3\$ INFTYP CIR IRB #3, SHOW_CIRCUIT STATUS, 4\$	04
						0000v	CF 12			03 50	FB E8	00052 00057		CALLS BLBS	#3. SHOW_CIRCUIT STATUS, 4\$	
							75		00	AC 03 09	E8 04 00 70	00018 0001D 000257 000227 00022D 000358 000358 000381 00044 00044 000457 00058 00058 00061 00064	3\$:	MOVAB CMPL BEGL PUSHL		04
							7E		04	09 AC	CE	00061		MNEGL	CIRCUITNAM_DSC #3, -(SP) #9, -(SP) IRB	

CN

CNFSHOW DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 VAX-11 Bliss-32 V4.0-742 Page 9 V04-000 process_show Search the data base and format 14-Sep-1984 12:49:54 [NICNF.SRC]CNFSHOW.B32;1 (4)

0000G CF 05 FB 00067 CALLS #5, CNF\$BUFR_ERR_MSG : 0441 04 0006F 5\$: RET : 0442

; Routine Size: 112 bytes, Routine Base: \$CODE\$ + 0056

```
CNF SHOW V04-000
                       DECnet Ethernet Configurator Module
                                                                                                                              VAX-11 Bliss-32 V4.0-742
ENICHF. SRCJCNFSHOW. B32;1
                                                                                            16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
                                                                                                                                                                                   Page 10 (5)
                       show circuit format all systems for circuit
                                  *SBTTL 'show_circuit format all systems for circuit'
ROUTINE SHOW_CIRCUIT (IRB, CIR, INFTYP) =
    0444
                       0445
                      Build the NICE for the SHOW response message and buffer it for
                                       transmission to the connectee.
                                              irb
                                                                     Interrupt request block, contains context for returning
                                                                     responses to connectee.
                                              cir
                                                                     Address of Circuit control block of circuit SHOW
                                                                     was requested for.
                                              inftyp
                                                                     Code determining which information type was requested
                                                                     for the SHOW, either CHARACTERISTICS, SUMMARY or STATUS.
                                       Always return success, any errors will be buffered for return to
                                       connectee.
                                        BEGIN
                                        MAP
                                              CIR : REF BBLOCK:
                                        LOCAL
                                                                                                          Buffer to obtain the current system time
Buffer to calculate the time difference between the curren
the time surveillance began on the circuit.
Pointer into the buffer where the NICE message is being bu
Descriptor of NICE message buffer
Descriptor of NICE Template buffer
                                              CURRENT_TIMBUF : BBLOCK [8],
                                              DELTA_TIMBUF : BBLOCK [8].
                                             NICE: REF BBLOCK,
NICE_BUFDSC: BBLOCK [DSC$C_S_BLN],
NICE_TMPDSC: BBLOCK [DSC$C_S_BLN],
SID: REF BBLOCK,
TIMBUF: VECTOR [7, WORD];
                                                                                                          Pointer to a system ID message
                                                                                                          Buffer for converting binary time format to ASCII for NICE
                                        BIND
                                              CONF = UPLIT (%ASCIC 'CONFIGURATOR') : VECTOR [,BYTE]; ! Module name to place into NICE return
                                        CNF$TRACE (DBG$C_TRACE, $DESCRIPTOR('TRACE'),
$DESCRIPTOR ('show_circuit'));
                                              Zero the descriptor which will locate the buffer where the NICE response will be built, allocate the buffer, and initialize buffer pointer.
                                        CHSFILL (O, DSCSC S BLN, NICE TMPDSC);
EXECUTE (CNFSGET ZVM (XREF (NICE BUFLEN), NICE TMPDSC [DSCSA_POINTER]));
NICE = .NICE_TMPDSC [DSCSA_POINTER];
                                              Place Error status
                                                      byte
                                                                     return code
                                                                     error detail
                                                      bytes
                                                      byte
                                                                     length of error message
                                         (.NICE) < 0.8 > = xx'01'
                                                                                                        ! Return code SUCCESS
```

```
D 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
                         DECnet Ethernet Configurator Module
                                                                                                                                          VAX-11 Bliss-32 V4.0-742 [NICNF.SRC] CNF SHOW. B32:1
                                                                                                                                                                                                  Page 11 (5)
V04-000
                         show_circuit Format all systems for circuit
                                            (.NICE) <8, 16> = %x'FFFF';
(.NICE) <24, 8> = %x'00';
                                                                                                                   Error detail, SUCCESS Error text length
    Copy over the module entity, CONFIGURATOR
                                                                           Length of CONFIGURATOR string CONFIGURATOR string
                                                        1 byte
12 bytes
                                           (.NICE) <32, 8> = .CONF [O];

NICE = .NICE + 5;

CH$MOVE (.CONF [O], CONF [1], .NICE);

NICE TMPDSC [DSC$W LENGTH] = 5 + .CONF [O];

NICE = .NICE + .CONF [O];
                                                                                                                   Length of CONFIGURATOR string
                                                                                                                 ! Set pointer to beginning of circuit name
                                                                                                                   Point to free space in buffer after
                                                                                                                   the circuit name which was just copied in
                                                  Copy over Circuit name entity
                                                           bytes
                                                                           Circuit entity ID
                                                           byte
                                                                           Parameter type = ASCII
                                                                           Length of circuit name
                                                        1 byte
                                                                           Circuit name
                                                        n bytes
                                           (.NICE) <0, 16> = NMASC_PCCN_CIR;

(.NICE) <16, 8> = NMASC_PTY_XI;

(.NICE) <24, 8> = .CIR [CIR$W_CIRNAMLEN]; | Length of Circuit name

NICE = .NICE + 4; | Set pointer to beginning of circuit name

CH$MOVE (.CIR [CIR$W_CIRNAMLEN], CIR [CIR$T_CIRNAM], .NICE);

NICE = .NICE + .CIR [CIR$W_CIRNAMLEN]; | Point to free space in buffer after
                                           NICE = .NICE + .CIR [CIR$W_CIRNAMLEN]; ! Point to free space in buffer after ! the circuit name which was just copied in NICE_TMPDSC [DSC$W_LENGTH] = .NICE_TMPDSC [DSC$W_LENGTH] + 4 + .CIR [CIR$W_CIRNAMLEN];
                                                  Place in Surveillance parameter
                                                  as a coded value
                                                                           Surviellance parameter ID
                                                           bytes
                                                                           Surveillance type = coded byte
                                                           byte
                                                           byte
                                                                           Surveillance value
                                            (.NICE) < 0, 16 > = NMA$C_PCCN_SUR;
                                                  BEGIN
                                                 TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V_PTY_COD] = TRUE;

TYPE [NMA$V_PTY_CLE] = 1;
                                                                                                                ! Surveillance is returned as a coded value ! The coded value is 1 byte in length
                                           END;
(.NICE) <24, 8> = .CIR [CIR$B_SURVEIL];
NICE = .NICE + 4;
                                                                                                                ! Set pointer to end of buffer where Elapsed Time will be pl
                                                  Place in Elapsed Time parameter
                                                  as a coded multiple
                                                           bytes
                                                                           Elasped Time parameter ID
                                                        byte
                                                                           Elasped time type = coded multiple of 3 fields
```

```
DECnet Ethernet Configurator Module

Show_circuit Format all systems for circuit

16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
                                                                                                                                    VAX-11 Bliss-32 V4.0-742
[NICNF.SRC]CNFSHOW.B32:1
CNF SHOW
                                                                                                                                                                                           Page
V04-000
                       hours type = unsigned decimal word
                                                         byte
                                                                        hours value
                                                         bytes
                                                                        minutes type = unsigned decimal byte
                                                         byte
                                                                        minutes value
                                                         byte
                                                                        seconds type = unsigned decimal byte
                                                         byte
                                                                        seconds value
                                                         byte
                                          (.NICE) <0, 16> = NMASC_PCCN_ELT;
                                                                                                                        ! Set parameter ID
                                                BEGIN
                                                      CODMUL_TYP = .NICE + 2 : BBLOCK,
HR TYP = .NICE + 3 : BBLOCK,
MIN_TYP = .NICE + 6 : BRLOCK,
SEC_TYP = .NICE + 8 : BBLOCK;
                                                CODMUL_TYP [NMA$V_PTY_COD] = TRUE;
CODMUL_TYP [NMA$V_PTY_MUL] = TRUE;
CODMUL_TYP [NMA$V_PTY_CLE] = 3;
                                                                                                                        ! Elapsed Time is returned as a coded
                                                                                                                            multiple.
                                                                                                                          There are three fields in the coded multiple
                                                       Get the current system time, subtract
Time of Surveillance start from Current time
                                                       to get negative Delta time
    398
399
                                               EXECUTE ($GETTIM (TIMADR = CURRENT TIMBUF));
SUBM (2, CIR [CIR$Q ELAPSDTIM], CURRENT TIMBUF, DELTA TIMBUF);
EXECUTE ($NUMTIM (TIMBUF = TIMBUF, TIMADR = DELTA_TIMBUF));
   400
401
402
403
404
405
                                               HR_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
HR_TYP [NMA$V_PTY_NLE] = 2;
                                                                                                                           Unsigned decimal
                                                                                                                            word.
                                               (.NICE) <32, T6> = .TIMBUF [3];
                                                                                                                          Hours
   406
                                               MIN_TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
MIN_TYP [NMASV_PTY_NLE] = 1;
(.NICE) <56, 85 = .TIMBUF [4];
                                                                                                                        ! Unsigned decimal
   408
409
410
                                                                                                                           byte.
                                                                                                                          Minutes
                                               SEC_TYP [NMA$V_PTY_NTY] = NMA$C_NTY_DU;
SEC_TYP [NMA$V_PTY_NLE] = 1;
(.NICE) <72, 85 = .TIMBUF [5];
   411
                                                                                                                          Unsigned decimal
   412
                                                                                                                           byte.
                                                                                                                          Seconds
    414
                                                END:
   415
   416
                                         NICE_TMPDSC [DSC$W_LENGTH] = 14 + .NICE_TMPDSC [DSC$W_LENGTH];
   418
                                          SID = .CIR [CIR$L_SIDFLINK];
                                                                                                                        ! Point to first System ID
                                         IF (.SID EQL CIR [CIR$L_SIDFLINK]) OR ((.INFTYP NEQ NMA$C_OPINF_STA) AND (.INFTYP NEQ NMA$C_OPINF_CHA))
    420
421
423
424
425
426
427
428
429
430
431
                                                                                                                        ! There are no ID's collected for this circuit
                                                                                                                        ! or Summary requested
                                          THEN
                                                      Print only circuit info, not system ID's, since either
                                                      there are no ID's collected, or a SHOW SUMMARY was requested.
                                                CNF$BUFR_NICE_MSG (.IRB, NICE_TMPDSC, NICE_BUFLEN);
                       0612
                                                RETURN TRUE:
                                                END
```

```
CNF SHOW
                     DECnet Ethernet Configurator Module 16-Sep-1984 02:05:37 show_circuit Format all systems for circuit 14-Sep-1984 12:49:54
                     DECnet Ethernet Configurator Module
                                                                                                                    VAX-11 Bliss-32 V4.0-742
ENICHF. SRCJCHFSHOW. B32:1
                                                                                                                                                                          (5)
                                                                                                                                                                    Page
V04-000
    ELSE
                                               Traverse the list of system ID's and format a NICE response
                                                for each one. Each one will be appended to a repeat of the
                                               circuit info already gathered.
                                          WHILE .SID NEG CIR [CIRSL_SIDFLINK] DO
                                                                                                         ! For all the System ID's
                                               BEGIN
                                                     Zero the descriptor and allocate a clean buffer for the NICE
                                                     response message. Then copy the message already built for the circuit info as the start of the message to which the system ID
   info will be appended.
                                               CHSFILL (O. DSCSC_S BLN. NICE_BUFDSC);

EXECUTE (CNFSGET ZVM (XREF (NICE_BUFLEN), NICE_BUFDSC [DSCSA_POINTER]));

CHSMOVE (.NICE_TMPDSC [DSCSW_LENGTH], .NICE_TMPDSC [DSCSA_POINTER],

.NICE_BUFDSC [DSCSW_LENGTH] = .NICE_TMPDSC [DSCSW_LENGTH];
                                                     Append the system ID info to the NICE response, and
                                                     buffer the message for later transmission.
                                                     Then follow list pointer to next system ID.
                                               SHOW SYSTEM (.SID, NICE_BUFDSC);
CNF$BUFR_NICE_MSG (.IRB, NICE_BUFDSC, NICE_BUFLEN);
SID = .SID [SID$L_LINK];
                                               END:
                                                                                    ! While processing all system ID's for the circuit
                                               Return the buffer which we used to build the circuit info part
                                               of the response.
                                          EXECUTE (CNFSFREE_VM (%REF (NICE_BUFLEN), NICE_TMPDSC [DSCSA_POINTER]));
                     0650
0651
0652
0653
                                          END:
                                                                                    ! There are system ID's for this circuit
                                     RETURN TRUE:
                                     END:
                                                                                    ! Routine show_circuit
                                                                                                  .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                                               00054 P.AAK:
00063
00064 P.AAM:
                     54 41 52
                                    55 47 49
00 00 52 4F
                                                                    43
                                                                                                 .ASCII <12>\CONFIGURATOR\<0><0><0>
                                                                    52
                                                                                                  .ASCII \TRACE\
                                                                               00069
00060
00070
00074
00080
00084
                                                                                                  BLKB
                                                                  00000005
00000000
68 73
                                                                                                  .LONG
                                                                                       P.AAL:
                                                                                                  ADDRESS P. AAM
                                                              6F
                    69 75 63 72 69
                                               63 SF 77
                                                                                       P.AAO:
                                                                                                  .ASCII \show_circuit\
                                                                                       P. AAN:
                                                                                                  .LONG
                                                                                                  ADDRESS P. AAO
                                                                                       CONF =
                                                                                                                 P. AAK
                                                                                                  EXTRN SYSSGETTIM, SYSSNUMTIM
```

CNF SHOW VO4-000		DECnet show_ci	Ether	net Config Format	urato all s	r Module ystems fo	r ci	rcuit	G 3 16-Sep- 14-Sep-	1984 02:05 1984 12:49	:37	VAX-11 Bliss-32 V4.0-742 ENICHF.SRCJCNFSHOW.B32;1	Page	e 14 (5)
										.PSECT	\$COD	E\$,NOWRT,2		
							0	OFC (0000 SHOW_	CIRCUIT:	Save	R2.R3.R4.R5.R6.R7	•	0444
					5E	0000	CF CF O1	9F (0000 SHOW_ 0002 0005 0009 0000 000F 0014	SUBL 2 PUSHAB	P.AA	R2,R3,R4,R5,R6,R7 SP N		048
				00006	CF	0000	01	DD C	000D	PUSHL	P. AA	CNFSTRACE		0.48
	80		00	00000	CF 6E	14	ŎŎ AE			MOVES	#0 ,	(SP), #0, #8, NICE_TMPDSC	•	048
				04	AE	14 18 80 04	03 00 AE 8 AE 5 AE 05 AE 01	9F (001B 001E 0023	PUSHAB MOVZBL PUSHAB CALLS BLBC MOVL MOVB MNEGW CLRB MOVZBL	NICE #128	TMPDSC+4 4(SP)	•	048
				0000G	CF 79	04	ŞŞ	FB C	0026 0028	CALLS	#2 87AT	CNFSGET_ZVM	•	
					56 86 86	18	AE 01	90 C	002E 0032	MOVL	NICE	CNFSGET_ZVM US. 15 TMPDSC+4, NICE (NICE)+ (NICE)+	•	049
						00001	01 86 CF	AE S	0035	MNEGW	N1 (NIC	(NICE)+ E)+		050 050 050
			66	0000°	57 36	0000	57 57	9A (90 (28 (003A 003F 0042 0048	MOVZBL MOVB	(NIC CONF R7. R7.	R7 (NICE)+ CONF+1, (NICE)		
		14	AE	0000	57 56		05 57	A1 0	0048 0040 0050	MOVB MOVC3 ADDW3 ADDL2 MOVZBW	75 R7	R7. NICE_TMPDSC NICE , (NICE)+		051 051
					86 86 57	64	8F 8F	90 0	0054	MOVE	#100 #64,	(NICE)+		051 051 051 052 052 052
			66	18	86	40 08 16 16	AC A7	90 (0058 005C	MOVE MOVE	22(R 22(R	(NICE)+ R7 7), (NICE)+ 7), 24(R7), (NICE)		
			00	10	A7 50 56		A7 A7 50	32 0	0066 006A	CVTWL ADDL2	22(R RO,	7) RO NICE	•	052 052
					56 50 51	14	AE A?	3C C	006D 0071	MOVZWL	NICE 22(R	TMPDSC, RO 7), R1	•	053
		14	AE		50 50 86	6F	04 8f	A1 0	0078 0078	ADDU3 MOVZBU	#1 fo	RO. NICE TMPDSC	•	054
	86		06		66	80	8F	88 C	0081 0085	BISB2 INSV	#128	(NICE) #0, #6, (NICE)+		0545 0545 0546
				02	86 66	OA 6F CO	8F 01 8F 8F 03 AE 01	90 C	008A 008E	MOVB	10(R	7) (NICE)+ , (NICE)		0546 0548 0564 057
02	A6		06	02	A6 00	20	03 AF	98 0 88 0 96 0	0097 0097	INSV PUSHAR	#3, CURR	#0, #6, 2(NICE)		0574 0581
				000000005	00 1E	2.0	01 50	FB C	00A0 00A7 18:	CALLS	STÁT	SYSSGETTIM US. 28		
		24	AE	28 28 20	AE AE	30 30	A7 AE	00 0	00AA 00B1	SUBL3 MOVL	48(R CURR	7), CURRENT_TIMBUF, DELTA_TIMBUF ENT_TIMBUF, DELTA_TIMBUF		0582
				25	ME	30 34 24 08	AE AE OS SO	9F 0	0060 0066 006A 006D 0071 0075 0078 007D 0081 0085 0088 0097 0099 0097 0090 00A7 00AA 00B1 00B6 00CB 00CB 00CB	MOVB MOVL MOVB MOVC3 CVTWL ADDL2 ADDL2 ADDL3 MOVZBW BISB2 INSV MOVZBW BISB2 INSV PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3 MOVL PUSHAB CALLS BLBC SUBL3	DELT	7), 24(R7), (NICE) 7), R0 NICE TMPDSC, R0 7), R1 R0 R0, NICE TMPDSC (NICE)* (NICE)* (NICE)* (NICE)* (NICE) 2(NICE) 2(NICE) ENT TIMBUF SYSSGETTIM US, 28 7), CURRENT TIMBUF, DELTA_TIMBUF ENT_TIMBUF, DELTA_TIMBUF ENT_TIMBUF A TIMBUF UF SYSSNUMTIM US, 58 3(NICE) W0, M4, 3(NICE) UF+6, 4(NICE)		0583
				000000006	00 78		02	fB (00CB 28:	CALLS	STAT	ŠYS\$NUMTIM US. 5\$		
03	A6		04	03	A6 00 A6	0A	30 02 AE	8A (00CB	BICB2 INSV MOVW	#48. #2,	3(NICE) #0, #4, 3(NICE)		0585 0586 0587

CNF SHOW V04-000		DECnet E show_cir	therno cuit	t Config Format	urator all sy	Module stems fo	r ct	ircu	it 1	H 3 6-Sep-1 4-Sep-1	984 02:05 984 12:49	:37	VAX-11 Bliss-32 V4.0-742 Particular Particular Security Particular	ige 15
06	A6		04	06 07 08	A6 00 A6	00	30 01 AE	8A F0 90	000DA 000DE 000E4		BICB2 INSV MOVB	TIMBL	6(NICE) #0. #4, 6(NICE) UF+8, 7(NICE)	: 0589 : 0590 : 0591
08	A6		04	08 09 14	A6 A6 00 A6 AF	0E	30 01 AE 0E	8A F0 90 A0	000E9 000ED 000F3		MOVB BICB2 INSV MOVB	MA R	R(NICE)	0589 0590 0591 0593 0595 0598 0600
					A6 AE 56 50	40	A7 A7 56 OC	00 9E 01	000FC 00100 00104		MOVB ADDW2 MOVL MOVAB CMPL	64 (R) 64 (R) SID,	WO. #4. 8(NICE) UF+10, 9(NICE) NICE_TMPDSC 7), SID 7), RO RO	0600
					01	oc	AC	01	00107		BEQL CMPL BEQL CMPL	THEFT	YP, #1	: 0603
					02	OC	AC	01	0010B		CMPL	INFT	YP. #2	: 0604
					7E	80 18 04	8F AE AC	9A 9F DD	00113 00115 00119 00110	3\$:	BEQL MOVZBL PUSHAB PUSHL CALLS	NICE.	TMPDSC	0611
				0000G	CF	40	03 60	11	0011F		BRB	75	CNF\$BUFR_NICE_MSG	0612
					50 50	40	56	9E	00126 0012A	45:	CMPL	SID,	7) RO	: 0622
	08		00		6E	16	00	5¢	0012F		BEQL MOVC5	68	(SP), #0, #8, NICE_BUFDSC	0630
				04	AE	1 C 20 80 04	OO AE AE 8F AE O2	9F 9A 9F	00136 00139 0013E		PUSHAB MOVZBL PUSHAB	A (50)	BUFDSC+4 (SP)	0631
				0000G	CF 40	04	02 50	FB E9	00141		CALLS	#2.	CNF\$GET_ZVM	•
		20	BE	18 10	BE	14 14 10	AE AE AE	28 B0 9f	00149		CALLS BLBC MOVC3 MOVW PUSHAB	NICE NICE NICE	CNF\$GET_ZVM US, 8\$ _TMPDSC, anice_tmpdsc+4, anice_bufdsc+4 _TMPDSC, NICE_BufdsC _BufdsC	0633 0634 0641
				0000V	CF 7E	80 20 04	008 8 8 8 8 8 8 8 8 8 8	DD FB 9A 9F	00155 00158 0015A 0015F 00163		PUSHL CALLS MOVZBL PUSHAB	#128	SHOW SYSTEM	0642
				0000G	CF 56	04	AC 03 66	FB DO	00166 00169 0016E 00171		CALLS	IRB (SID)	BUFDSC CNF\$BUFR_NICE_MSG), SID	0643 0622 0649
				04	AE	18 80 04	AE 8F AE	9F 9A 9F	00173 00176 0017B	6\$:	BRB PUSHAB MOVZBL PUSHAB CALLS BLBC	NICE #128 4(SP)	TMPDSC+4	0649
				0000G	CF 03 50		02 50 01	FB E9 D0 04	0017E 00183 00186 00189		CALLS BLBC MOVL RET	M2. C STATU M1, R	TMPDSC+4 4 (SP) CNFSFREE_VM US. 85	0652 0653

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1 3
16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
V04-000
                       DECnet Ethernet Configurator Module
                                                                                                                             VAX-11 Bliss-32 V4.0-742 [NICNF.SRC]CNFSHOW.B32;1
                                                                                                                                                                                Page 16 (6)
                      show_system Format System ID info
                      065578901234567890000665578901234567890000006666771234567890123456789012345678900696999
                                  **SBTTL 'show system format System ID info' ROUTINE SHOW_SYSTEM (SID, NICEBUF) =
   Format the information in the system ID message stored in SID and build a NICE message which will be appended to the NICE message for the circuit which is in NICEBUF.
                                             sid
                                                           Pointer to buffer containing a system ID message
                                             nicebuf
                                                          Descriptor of buffer containing circuit NICE message
                                      Always return success. There is no error checking.
                                       BEGIN
                                       MAP
                                             NICEBUF : REF BBLOCK.
                                             SID : REF BBLOCK;
                                       LOCAL
                                             NICE : REF BBLOCK,
TIMBUF : VECTOR [7, WORD];
                                       NICE = .NICEBUF [DSC$A_POINTER] + .NICEBUF [DSC$W_LENGTH];
                                             Place in Physical Address parameter
                                             as a Hex Image 6
                                                     bytes
                                                                    Physical Address parameter ID
                                                     byte
                                                                    Physical Address type = Hex Image (HI-6)
                                                                    Physical Address value
                                                   6 bytes
                                        (.NICE) <0, 16> = NMASC_PCCN_PHA;
                                             BEGIN
                                             BIND
                                             TYPE = .NICE + 2 : BBLOCK;

TYPE [NMASV_PTY_NTY] = NMASC_NTY_H;

TYPE [NMASV_PTY_NLE] = NMASC_NLE_IMAGE;
                                                                                                        returned as a Hex
                                             END:
                                       (.NICE) <24.8> = SID$C_ADRLEN;
CH$MOVE (SID$C_ADRLEN, SID [SID$T_CURADR], (.NICE + 4) );
NICE = .NICE + 4 + SID$C_ADRLEN; ! Set pointer
                                                                                                      ! Set pointer to end of buffer where next parameter will be
```

```
3
                         DECnet Ethernet Configurator Module show_system Format System ID info
                                                                                                       16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
CNF SHOW
                                                                                                                                               VAX-11 Bliss-32 V4.0-742
ENICNF.SRCJCNFSHOW.B32;1
                                                                                                                                                                                                         Page 17 (7)
V04-000
    Place in Last Report parameter
                                                    as a coded multiple
                                                                             Last Report parameter ID
Last Report type = coded multiple of 5 fields
Day type = unsigned decimal byte
                                                             bytes
                                                             byte
                                                             byte
                                                             byte
                                                                              Day value
                                                             byte
                                                                              Month type = Coded byte
                                                             byte
                                                                              Month coded value
                                                             byte
                                                                              hour type = unsigned decimal byte
                                                             byte
                                                                              hour value
                                                             byte
                                                                              minutes type = unsigned decimal byte
                                                             byte
                                                                             minutes value
                                                                              seconds type = unsigned decimal byte
                                                             byte
                                                             byte
                                                                             seconds value
                                             (.NICE) <0, 16> = NMASC_PCCN_LRP;
                                                   BEGIN
BIND
                                                         CODMUL TYP = .NICE + 2 : BBLOCK,
DAY_TYP = .NICE + 3 : BBLOCK,
MON_TYP = .NICE + 5 : BBLOCK,
HR TYP = .NICE + 7 : BBLOCK,
MIN_TYP = .NICE + 9 : BBLOCK,
SEC_TYP = .NICE + 11 : BBLOCK;
                                                   CODMUL_TYP [NMA$V_PTY_COD] = TRUE;
CODMUL_TYP [NMA$V_PTY_MUL] = TRUE;
CODMUL_TYP [NMA$V_PTY_CLE] = 5;
                                                                                                                                    Last Report is returned as a coded
                                                                                                                                      multiple.
                                                                                                                                  ! There are five fields in the coded multiple
                                                   EXECUTE ($NUMTIM (TIMBUF = TIMBUF, TIMADR = SID [SID$Q_LSTREPORT]) );
                                                   DAY_TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
DAY_TYP [NMASV_PTY_NLE] = 1;
(.NICE) <32, 85 = .TIMBUF [2];
                                                                                                                    ! Unsigned decimal
                                                                                                                         byte.
                                                                                                                       Day
                                                   MON_TYP [NMA$V_PTY_COD] = TRUE;
MON_TYP [NMA$V_PTY_CLE] = 1;
(.NICE) <48, 8> = .TIMBUF [1];
                                                                                                                       Month is returned as a coded value
                                                                                                                           contained in 1 byte.
                                                                                                                       Month
                                                   HR TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
HR TYP [NMASV_PTY_NLE] = 1;
(.NICE) <64, 8> = .TIMBUF [3];
                                                                                                                       Unsigned decimal
                                                                                                                         byte.
                                                                                                                       Hour
                                                   MIN_TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
MIN_TYP [NMASV_PTY_NLE] = 1;
(.NICE) <80, 85 = .TIMBUF [4];
                                                                                                                       Unsigned decimal
                                                                                                                       byte.
Minute
                                                   SEC_TYP [NMASV_PTY_NTY] = NMASC_NTY_DU;
SEC_TYP [NMASV_PTY_NLE] = 1;
(.NICE) <96, 85 = .TIMBUF [5];
                                                                                                                       Unsigned decimal
                                                                                                                        byte.
                                                                                                                       Second
                                                   END;
                                             NICE = .NICE + 13:
```

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CNF SHOW V04-000
                                                                                  16-Sep-1984 02:05:37
14-Sep-1984 12:49:54
                                                                                                                VAX-11 Bliss-32 V4.0-742
ENICHF. SRCJCHFSHOW. B32:1
                    DECnet Ethernet Configurator Module
                                                                                                                                                               Page 20 (10)
                                     Format System ID info
                    show_system
   Place in Hardware Address parameter
                                         as a Hex Image 6
                                                bytes
                                                             Hardware Address parameter ID
                                                             Hardware Address type = Hex Image (HI-6)
                                                byte
                                                byte
                                                              Image length = 6
                                                bytes
                                                             Hardware Address value
                                    (.NICE) <0, 16> = NMASC_PCCN_HWA;
                                        BEGIN
BIND
                                        TYPE = .NICE + 2 : BBLOCK;

TYPE [NMA$V PTY NTY] = NMA$C NTY H;

TYPE [NMA$V PTY NLE] = NMA$C NLE IMAGE;
                                                                                                        returned as a Hex
                                                                                                          image
                                   END;

(.NICE) <24.8> = SIDSC_ADRLEN;

CH$MOVE (SIDSC_ADRLEN, SID [SIDST_HRDWADR], (.NICE + 4) );

NICE = .NICE + 4 + SIDSC_ADRLEN; ! Set |
                                                                                                           of length 6
                                                                                                      ! Set pointer to end of buffer where next parameter
                                         Place in Device Type parameter
                                         as a coded value
                                                             Device Type parameter ID
Device Type type = coded byte
                                                bytes
                                                byte
                                              1 byte
                                                             Device Type code
                                    (.NICE) <0, 16> = NMASC_PCCN_DTY;
                                        BEGIN
                                        TYPE = .NICE + 2 : BBLOCK;

TYPE [NMASV_PTY_COD] = TRUE;

TYPE [NMASV_PTY_CLE] = 1;
                                                                                            ! Device Type is returned as a coded value
                                                                                            ! The coded value is 1 byte in length
                                         END;
                                   (.NICE) <24, 8> = .SID [SID$0_DEVICE];
NICE = .NICE + 4;
                                                                                            ! Set pointer to end of buffer where Elapsed Time will be pl
                                   NICEBUF [DSC$W_LENGTH] = .NICE - .NICEBUF [DSC$A_POINTER];
                                    RETURN TRUE:
                                    END:
                                                                        ! Routine show_system
                                                                                              .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                   45 43 41 52 54
                                                                            00088 P.AAQ:
                                                                                              .ASCII \TRACE\
                                                                            00080
00090
00094
                                                                                              BLKB
                                                                00000005
                                                                                    P.AAP:
                                                                                              . LONG
                                                                                               .ADDRESS P. AAQ
                                                                            00098
000A3
000A4
000A8
                                                                                              .ASCII \show_system\
                             74 73 79 73 SF 77
                                                             6F
                                                                                    P.AAS:
                                                                                               .BLKB
                                                                                               . LONG
                                                                                    P.AAR:
                                                                00000000
                                                                                               .ADDRESS P.AAS
```

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Page (10	7 VAX-11 BLiss-32 V4.0-742 64 ENICHF.SRCJCHFSHOW.B32;1	5 ep-1984 02:05:3 ep-1984 12:49:5	12		r Module ID info	System	rnet Config Format S	stem	show_sy		NF SHOW 04-000
	CODES, NOWRT, 2	.PSECT \$									
065 065 065 065 065 065 065 065 065 065	Tave R2,R3,R4,R5,R6,R7,R8 16, SP 16, SP 17 17 18 19 19 19 19 19 10 10 11 11	MOVQ S MOVZWL (I ADDL2 4 MOVZBW # INSV #: BICB2 # MOVB #	00000 00005 00009 00009 000014 00018 00018 00018 00029 00029 00037 00037 00038 00049	01FC 10 C2 CF 9F 01 DB 7DC 03 7DC 03 7DC 04 9F 04 9F 04 9F 05 9F 06 08 08 9F 06 08 08 9F 08 0000: 0000: 04 04 78	5E CF7 5566 604 6666 6660 6660	0000G 02 03 10 02	02 A6 06	04	A6	02	
073	2. SYS\$NUMTIM STATUS, 1\$ (48, 3(NICE)	CALLS ME BLBS SE RET BICB2 ME INSV ME	0004F 00056 00059 0005A 0005E	02 FB 50 E8 30 8A 01 F0	•	00 01 A6 00	000000006	04		A6	03
07 07 07 07 07	148, 3(NICE) 1, #0, #4, 3(NICE) 1MBUF+4, 4(NICE) 128, 5(NICE) 1, #0, #6, 5(NICE)	MOVB T. BISB2 M INSV M	00064 00069 0006E	30 8A 01 F0 AE 90 8F 88 01 F0	80	A6 00	04	06		A6	05
073 074 074	IMBUF+2, 6(NICE) 48, 7(NICE) 11, #0, #4, 7(NICE)	MOVB T. BICB2 #6 INSV #7	00074 00079 0007D	AE 90 30 8A 01 F0 AE 90	02	A6 00	06	04		A6	07
074 074	148, 9(NICE) 1, #0, #4, 9(NICE) 1MBUF+8, 10(NICE)	BICB2 MA	00088 00080 00092	30 8A 01 FO AE 90	08	A6 00 A6	08 09 0A	04		A6	09
074 074 074 074 074 074 074 075 077 077 078 078 078 078	128, 5(NICE) 1, WO, W6, 5(NICE) 148, 7(NICE) 148, 7(NICE) 1, WO, W4, 7(NICE) 1MBUF+6, 8(NICE) 148, 9(NICE) 1, WO, W4, 9(NICE) 1MBUF+8, 10(NICE) 148, 11(NICE) 1, WO, W4, 11(NICE) 113, NICE 120001, (NICE)+ 120001, (NICE)+ 13, NICE 148, (NICE)	BICB2 INSV MOVB	00074 00079 00070 00083 00088 00097 00098 00087 00087 00087 00087 000087 000087 000087	AE 90 30 8A 01 F0 30 8A 01 F0 08F 88 03 F0 30 8A	0A 4E21 C0	A6 00 A6 56 86	0A 0B 0C	04		A6	08
977	3, 40, 46, (NICE)+	INSA W	000AE	03 FO	CO	00		06		86	
078 078	1. #0. #4. (NICE)+ 0(R7). (NICE)+	INSV MOVB 30	000BA 000BE	30 8A 01 F0 A7 90	16	00 86		04		86	
078 078	1. #0. #4. (NICE)+ 1(R7), (NICE)+	INSV MOVB 3	000C5 000CB	A7 90 30 8A 01 F0 A7 90	1F	00 66 00 86 66 00 86		04		86	
078 079	1. #0. #4. (NICE)+ 2(R7), (NICE)+ 3(R7)	INSV MY MOVB 33	00002 00007 00008	A7 90 30 8A 01 F0 A7 95	20 21	00 86		04		86	

CNF SHOW VO4-000		DECnet I	Etherr	net Config Format 5	urator ystem]	Module D info			16- 14-	Sep- Sep-	1984 62:05: 1984 12:49:	37 54	VAX-11 Bliss-32 V4.0-742 ENICHF.SRCJCNFSHOW.B32;1	Page 22
	86		06		86 66 00	4E22 C0 21	26 8F 87 50	13 80 88 F0	000E0 000E5 000E9 000EF		BEQL MOVW BISB2 INSV CLRL BBC BISB2	4\$ #2000 #192 33 (R7)2, (NICE)+ (NICE) (), #0, #6, (NICE)+	0813 0815 0817
	86		0C 06	55	A7 66 00	80	50 8F 01	88 F0	000F1 2 000F6 000FA	28:	BBC BISB2 INSV	INDEX #128, #1, #	(, 34(R7), 3\$ (NICE) (0, #6, (NICE)+	0825 0828 0829
02	A6		EB 02	02	50 66 04	4E27	0F 8F 02F	F3 B0 F0	00102 00106 00108	\$:	INSV MOVB AOBLEQ MOVW INSV	#15 #2000	(, 34(R7), 3\$ (NICE) (O, #6, (NICE)+ (, (NICE)+ INDEX, 2\$)7, (NICE) 14, #2, 2(NICE) 2(NICE)	0830 0820 0844 0848
		04	A6	02 03 0A	A6 A7 56 86	4E84 80	0606 0608 8F	90 28 0 88	00115 00119 0011F 00122		MOVW INSV BICB2 MOVB MOVC3 ADDL2 MOVW BISB2 INSV MOVB SUBW3	#6. 1 #10.	3(NICE) 3(NICE) 10(R7), 4(NICE) NICE 00, (NICE)+ , (NICE)	0849 0851 0852 0853
	86		06 68		66 00 86 56 50	24 04	8F 01 A7 A8 01	F0 90 A3	00127 0012B 00130 00134 00139 0013C		BISB2 INSV MOVB SUBW3 MOVL RET	36 (R7	70, #6, (NICE)+ 7), (NICE)+), NICE, (R8)	0813 0817 0817 0828 0828 0828 0829 0829 0830 0848 0848 0852 0853 08648 0868 0874
Routine	Size:	317 by	tes,	Routine	Base:	\$CODE\$	+				NE 1			, 0011

CNF SHOW V04-000	DECnet Ethernet Config show_system Format S	jurator Module system ID info	16-Sep-198	84 02:05:37 84 12:49:54	VAX-11 Bliss-32 V4.0-742 [NICNF.SRC]CNFSHOW.B32;1
702	0878 1 END 0879 0 ELUDOM		! End of module C	NF SHOW	
		PSECT SUMMARY			
Name	Bytes		Attributes		
SPLITS SOWNS SCODES		172 NOVEC, NOWRT, 16 NOVEC, WRT, 909 NOVEC, NOWRT,	RD ,NOEXE,NOSHR, RD ,NOEXE,NOSHR, RD , EXE,NOSHR,	LCL, REL, LCL, REL, LCL, REL,	CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2)
	Librar	y Statistics			
File			symbols loaded Percent	Pages Mapped	Processing Time
_\$255\$DUA28: _\$255\$DUA28:	[SYSLIB]STARLET.L32:1 [SHRLIB]NMALIBRY.L32:1	9776 887	28 0	581 47	00:01.0 00:00.7
		COMMAND QUALIFI	ERS		
BLISS/C	HECK=(FIELD, INITIAL, OPT	IMIZE)/LIS=LIS\$:	CNF SHOW/OBJ=OBJ\$: CN	FSHOW MSRC\$:	NFSHOW/UPDATE=(ENH\$: CNFSHO

CN

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; Size: 909 code + 188 data bytes ; Run Time: 00:23.1 ; Elapsed Time: 00:39.7 ; Lines/CPU Min: 2282 ; Lexemes/CPU-Min: 19848 ; Memory Used: 182 pages ; Compilation Complete

0280 AH-BT13A-SE

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